emission spectrum of a blue fluorescent substance 5B at about 500 nm and an emission spectrum of a green fluorescent substance 5G, thereby allegedly improving separation of blue luminescent color from green luminescent color (col. 6, line 61 through col. 7, line 6). The purpose of a second dip selection intended by Osawa et al. is to enhance color purity of light emission of blue and green.

Osawa et al. fails to teach that a peak absorbency of an optical filter corresponds to an emission spectrum of green. Claims 3 and 12 specify a reduced light emission of green, green having a large relative luminous efficiency, thereby ensuring that chromaticity coordinates of a white color display can approach the ideal values, effectively.

The depending claims which variously, respectively depend from claim 3 or claim 12, inherit the patentable distinctions thereof and present yet further patentable distinctions and are allowable for at least the same reasons as claims 3 and 12.

CONCLUSION

As above noted and explained, Osawa et al. is silent with regard to the optical filter characteristics as recited in claims 3 and 12 as herein amended. Those claims distinguish patentably over Osawa et al.

Matsuda et al. is not cited as having any relevant teaching overcoming the deficiency of Osawa et al.

There being no other objections or rejections, it is submitted that the application is in condition for allowance, which action is earnestly solicited.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: March 20, 2003

By:

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please CANCEL claims 1, 2 and 5.

Please AMEND the following claims:

3. (TWICE AMENDED) A gas-discharge display apparatus utilizing at least one of neon and helium gases to generate a gas discharge for exciting [three kinds of fluorescent materials which emit different light colors] a fluorescent material emitting red color, a fluorescent material emitting green color and a fluorescent material omitting blue color to display a color image on a display screen thereof, comprising:

an optical filter covering the entire display screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas[,] and having characteristics in which first and second peak absorbencies exist in a visible light wavelength range, a wavelength of a first peak absorbency has a value within a range of 550 to 620 nanometers and corresponds to the wavelength of the light emission of the gas, and a wavelength of a second peak absorbency has a value within a range of 500 to 550 nanometers and corresponds to a wavelength of the fluorescent material emitting green color.

4. (TWICE AMENDED) A gas-discharge display apparatus [utilizing at least one of neon and helium gases to generate a gas discharge for exciting three kind of fluorescent materials which emit different light colors to display a color image on a display screen thereof, comprising:

an optical filter covering the entire display screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas, and] according to claim 3, comprising:

an optical filter having characteristics in which first and second peak absorbencies exist in the visible light wavelength range, a transmittance T_{585} at a wavelength of 585 nanometers is smaller than each of a transmittance T_{450} at a wavelength of 450 nanometers, a transmittance T_{620} at a wavelength of 620 nanometers, and a transmittance T_{525} at a wavelength of 525 nanometers is smaller than a transmittance T_{450} at a wavelength of 450 nanometers.

6. (AS UNAMENDED) The apparatus according to claim 4, wherein the transmittance T_{585} is smaller than 0.7 times the transmittance T_{450} and is smaller than the

transmittance T₅₂₅.

- 7. (TWICE AMENDED) The apparatus according to claim [1] 3, wherein the optical filter comprises a component separate from a display device having the gas discharge space therein, and is disposed in front of the display device.
- 8. (AS UNAMENDED) The apparatus according to claim 7, wherein the optical filter is made of a film having said characteristics.
- 9. (TWICE AMENDED) The apparatus according to claim [1] 3, wherein the optical filter is in contact with the front surface of a transparent substrate comprising the display screen.
- 10. (TWICE AMENDED) The apparatus according to claim [1] 3, wherein the optical filter comprises an organic resin in which a substance absorbing light of a specific wavelength is dispersed.
- 11. (TWICE AMENDED) The apparatus according to claim [1] 3, further comprising a non-glare layer is disposed in front of the optical filter.
- 12. (TWICE AMENDED) A gas-discharge display apparatus utilizing at least one of neon and helium gases to generate a gas discharge for exciting [three kinds of fluorescent materials which emit different light colors] a fluorescent material emitting red color, a fluorescent material emitting green color and a fluorescent material emitting blue color to display a color image on a display screen thereof, comprising:

an optical filter covering the entire screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas, and having characteristics in which first and second peak absorbencies exist in a visible light wavelength range, a wavelength of a first peak absorbency has a value within a range of 580 to 600 nanometers and corresponds to the wavelength of the light emission of the gas, a wavelength of a second peak absorbency has a value within the range of 500 to 550 nanometers and corresponds to a wavelength of the fluorescent material emitting green color, a transmittance of the optical filter at the first peak absorbency is smaller than 0.5 times an

average transmittance in a blue wavelength range, and an average transmittance in a green wavelength range is larger than a transmittance at a first peak absorbency and is smaller than an average transmittance in the blue wavelength range.

- 13. (AS ONCE AMENDED) The apparatus according to claim 12, wherein the optical filter comprises a component separate from a display device having the gas discharge space therein, and is disposed in front of the display device.
- 14. (AS UNAMENDED) The apparatus according to claim 12, wherein the optical filter is made of a film having said characteristics.
- 15. (AS ONCE AMENDED) The apparatus according to claim 12, wherein the optical filter is in contact with the front surface of a transparent substrate comprising the display screen.
- 16. (AS ONCE AMENDED) The apparatus according to claim 12, wherein the optical filter comprises an organic resin in which a substance absorbing light of a specific wavelength is dispersed.
- 17. (AS ONCE AMENDED) The apparatus according to claim 12, further comprising a non-glare layer is disposed in front of the optical filter.
- 18. (AS UNAMENDED) The apparatus according to claim 4, wherein the transmittance T_{585} is smaller than 0.7 times the transmittance T_{450} .